



PERFECT EDUCATION SERVICES - KAMPALA
PRIMARY SEVEN PRE-PLE SET II EXAMINATION

2024

MATHEMATICS

Time Allowed: 2 hours 30 minutes

Index No.

EMIS No.	Personal No.

Candidate's Name

Candidate's Signature

EMIS Number

District Name

SECTION A

1. Workout:

$$\begin{array}{r} 313 \\ + 21 \\ \hline \end{array}$$

2. Write XCIX in Hindu Arabic numerals.

3. Subtract $(3K+3)$ from $(4K-4)$

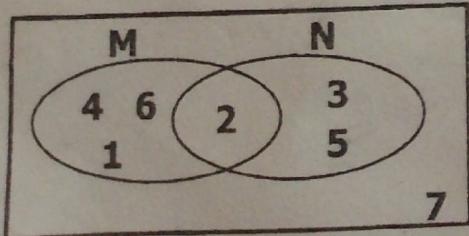
4. Find the product of the 3rd and 5th composite number.

5. Express 400gm as a fraction of 1kg.

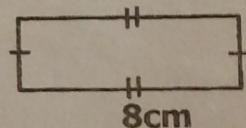
6. Find the least common Multiple of 9 and 15.

7. In the venn diagram below, find $n(M-N)$

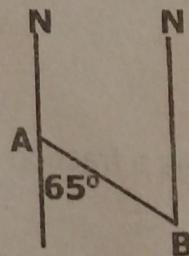
8. A shirt marked sh. 36000 was sold at a discount of 10%. How much did the customer pay?



9. How many **250gm** packets can you pack from a **50kg** sack of rice?
10. Using a ruler, a pencil and a pair of compasses only, drop a perpendicular line from point R to meet line KL to P.
-
11. Find the value of **4** in **243five**.
12. Two thousand shilling notes are numbered consecutively from **AT1234003** to **AT1234102**. How much money is in the bundle?
13. Change **12m^2** to **cm^2** .
14. The area of the rectangle below is **48cm^2** . Find the length of its diagonal.



15. Mustafah packed a total of **2520** eggs in **12** boxes. Find the number of eggs in each box.
16. In the figure below. Find the bearing of **A** from **B**.



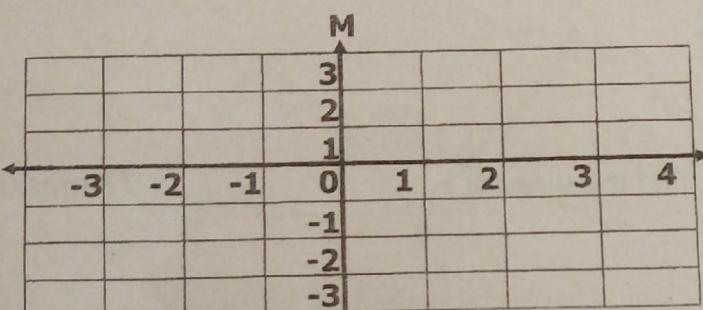
17. The table below shows Kitafe's performance in different subjects.

English	Maths	SST	Science	R.E	ART
94	88	90	89	88	95

What was his modal mark?

2
18. Workout: $7 - 4\frac{1}{3}$

19. On the coordinate graph below, state the coordinates of point M.



- d)
20. At party, the ratio of men to women is 3:5, if there are 42 men, how many women attended the party?

SECTION B (60 Marks)

21. A tailor bought a metre cloth and used it as follows

$\frac{2}{5}$ of the cloth for brouses

$\frac{1}{3}$ of the cloth for shirts

$\frac{1}{4}$ of the cloth for skirts

X of the cloth remained

(3 marks)

- a) What fraction of the cloth remained?

- b) If 60 metres remained, how big was the cloth?

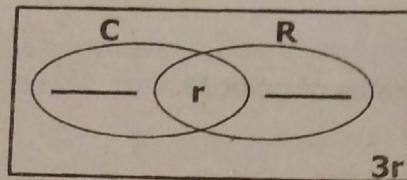
(2 marks)

3

22. At her graduation party, Namusoke invited guests, $(2r+20)$ attended the church (C) only, 80 guests attended the reception (R) but not the church service, r attended both the church service and the reception while $3r$ guests were absent at both places.

a) complete the venn diagram below

(2 marks)



b) If 120 guests attended only one place, find the value of r .

(2 marks)

c) How many guests were absent in all places?

(1 mark)

23. a) Solve: $\frac{r-3}{2} = \frac{r+4}{3}$

(3 marks)

b) Abasi is 42 years and Abbey is 12 years old. After how many years will Abbey be half Abasi's age?

(3 marks)

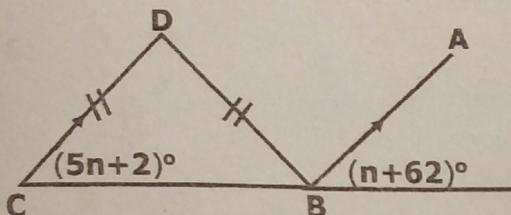
24. An equilateral triangular plot is fenced using poles. If each side had 20 poles.

a) Find the number of poles used altogether.

(2 marks)

b) If each pole costs **sh.3500**, how much money is required to buy all the poles? (2 marks)

25. In the diagram below, **AB** is parallel to **DC** and **BD = DC**.



a) Find the value of **n** in degrees. (3 marks)

b) Find the value of angle **CBD** (2 marks)

26. A thread is wound around a circular pipe of diameter **14cm**.

a) If the thread is wound up to **800 times**, how long is the thread? (2 marks)

b) Find the length of the thread in metres (2 marks)

27. a) Expand **42.36** using values. (2 marks)

(2 marks)

b) Simplify: $\frac{a^4 \times a^1}{a^3}$

9

(2 marks)

c) Change 43 to base three.

28. Alituha went to buy the following items from a wholesale shop and sold them in his retail shop.

100kg of rice at sh. 360,000

30 bars of soap at sh. 60,000

20 litres jerrican of cooking oil at h. 200,000

a) If he sold rice at sh.4000 per kg. What was his profit?

(2 marks)

b) Alituha sold all the bars of soap and made a loss of 20%. At what price did he sell each bar of soap

(3 marks)

6

29. The table below is for a Global bus from Mbarara to Kampala.

Town	Arrival	Departure
Mbarara		06 40 hours
Lyantonde	07 40hours	07 45hours
Masaka	09 00 hours	09 15hours
Lukaya	10 00hours	09 15hours
Kampala	11 20hours	10 0hours

a) At what time does the bus leave Lukaya

(1 mark)

b) Express the arrival time of the bus in Kampala in the 12hour clock system. - - - (1 mark)

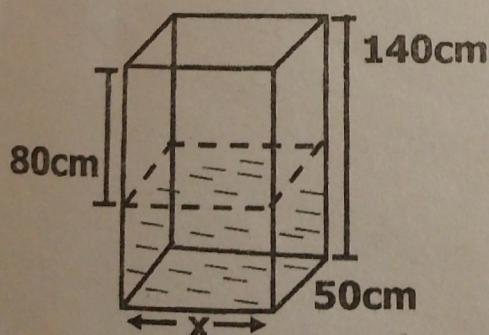
c) For how long did the bus stay at Masaka?

(1 mark)

d) How long did the bus take to travel from Mbarara to Kampala?

(2 marks)

30. Given that the number of litres in the tank is **120 litres**.



a) Find the value of **X**

(3 mark)

(3 marks)

b) calculate the number of litres that can fill the tank.

31. The exchange rates of a US dollar at Standard Chartered Bank is shown on the table below.

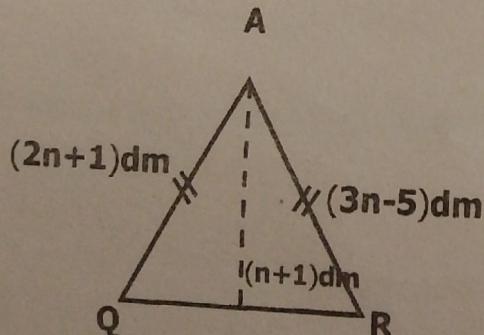
CURRENCY	BUYING	SELLING
US\$	Ug sh. 3600	Ug sh. 3700

a) Annet will be leaving for the United States. She has **sh. 1,480,000**. How many US dollars will be obtained from the forex bureau? (2 marks)

b) A man from the United States entered Uganda with Us\$ 3000. How much Uganda shillings will he get after exchanging the money? (2 marks)

32. a) **PQR** is isosceles triangle. Find the value of **n**

(2 marks)



b) Find the area of triangle **PQR**.

(2 marks)